



## Summer Program 2019 Week 3

### "What Matters"

#### Exploring Liquids, Solids, and Gas

This week we studied "What Matters". We learned that matter can be a liquid, solid, or a gas. Here are just a few of the types of matter we experimented with each day.



**Liquids:** water, vinegar, corn syrup, vegetable oil, dish soap, food coloring

**Solids:** salt, peppercorns, corn starch, confectionary sugar, baking soda

**Gas:** steam, air (with our balloon experiment)



We also learned that mixing two liquids together is called a solution and liquids have different states of thickness and viscosities. We dropped several objects in a jar that we layered with water, vinegar, corn syrup and oil. The children enjoyed predicting where their object would land and how fast or slow it would move through the layers.

The Children's Museum of Easton visited our program on Tuesday and Ms. Adrianna performed some great experiments with us. One experiment she did was the Balloon experiment. She taught us how to blow up a balloon by adding baking soda to vinegar and placing the balloon over the opening of the bottle and watching the gas fill the balloon! Next, she taught us how to make oobleck with cornstarch and water. Watching the chemical reaction of oobleck turn to a solid to liquid in your hands was fascinating to discover.





We also enjoyed making a couple science experiments for snack! We learned that liquids can turn into solids too. The fresh whipping cream we made started out as a liquid and turned into a solid (it took a bit of whisking to make that happen) which we then added on top of our individually made fruit cups. We had fun making jello as well. Watching the steam from the boiling water blended together with the jello mix was one form of matter and then the liquid jello turned into a solid the next day!



As part of the Montessori approach, let's not forget to let the children clean up the fun they made!

Our final day of What Matter's Week, we made Slime! As you can see their faces are a combination of surprised and confused. Each child made their own batch to enjoy.





**And lastly, we enjoyed our homemade popsicles!**



Our next summer program week is Gardening Week - July 29<sup>th</sup>- August 2<sup>nd</sup>. We will be horticulturists while we learn how to care for both indoor and outdoor plants and the importance of plants in our environment.

Thank you,  
Ms. Andrea & Miss Jessica